Title (en)
Method and apparatus for controlling turbo decoder input

Title (de)
Turbodekodereinganssteuerverfahren und Apparat

Title (fr)
Méthode et appareil pour commander l'entrée d'un décodeur turbo

Publication
EP 1422830 A3 20050525 (EN)

Application
EP 03026868 A 20031124

Priority
KR 20020073280 A 20021123

Abstract (en)
[origin: EP1422830A2] A method and apparatus for effectively controlling data input to a turbo decoder for decoding forward packet data traffic in a 1xEV-DV mobile station (MS) are disclosed. After received code symbols are stored in one of several memories and read in deinterleaving order, read addresses and chip select signals are generated for the memories based on encoder packet size in synchronization to a decoder clock signal. The decoding starts by inputting a predetermined number of code symbols to the turbo decoder in an appropriate order. The decoder input apparatus reads demodulated forward packet data from decoder input buffers in an appropriate order using the read addresses and chip select signals to generate turbo decoder input data in an appropriate form. Thus, a small-size, low-cost, low-power consumption MS is achieved by processing channel-interleaved data at high speed and with reduced process delay and providing them to a decoder. <IMAGE>

IPC 1-7
H03M 13/29

IPC 8 full level
H03M 13/27 (2006.01); **H03M 13/29** (2006.01); **H03M 13/37** (2006.01); **H04L 1/00** (2006.01)

CPC (source: EP KR US)
H03M 13/2771 (2013.01 - EP US); **H03M 13/2957** (2013.01 - EP US); **H03M 13/37** (2013.01 - KR); **H03M 13/6566** (2013.01 - EP US); **H04L 1/0059** (2013.01 - EP US); **H04L 1/0066** (2013.01 - EP US); **H04L 1/0071** (2013.01 - EP US)

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